



STRUCTURED WIRING



connect

ELAN™
Life Just Got Better™



STRUCTURED WIRING
by ELAN

"ELAN led the development of the structured wiring, multi-source and multi-zone product that formed the basis for the ELAN company, which now bestrides the U.S. custom market as thoroughly as Ford does the highways."

**—50 Most Vital Influencers,
Custom Retailer, 2003**

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ELAN™ Home Systems

pioneered the first residential structured wiring solution with the introduction of the TD line in 1990. The 2004 Structured Wiring Line leverages 13 years of ELAN history and knowledge, and offers the next generation of complete wiring solutions that enable homeowners to enjoy both current and future technologies in an integrated home network.

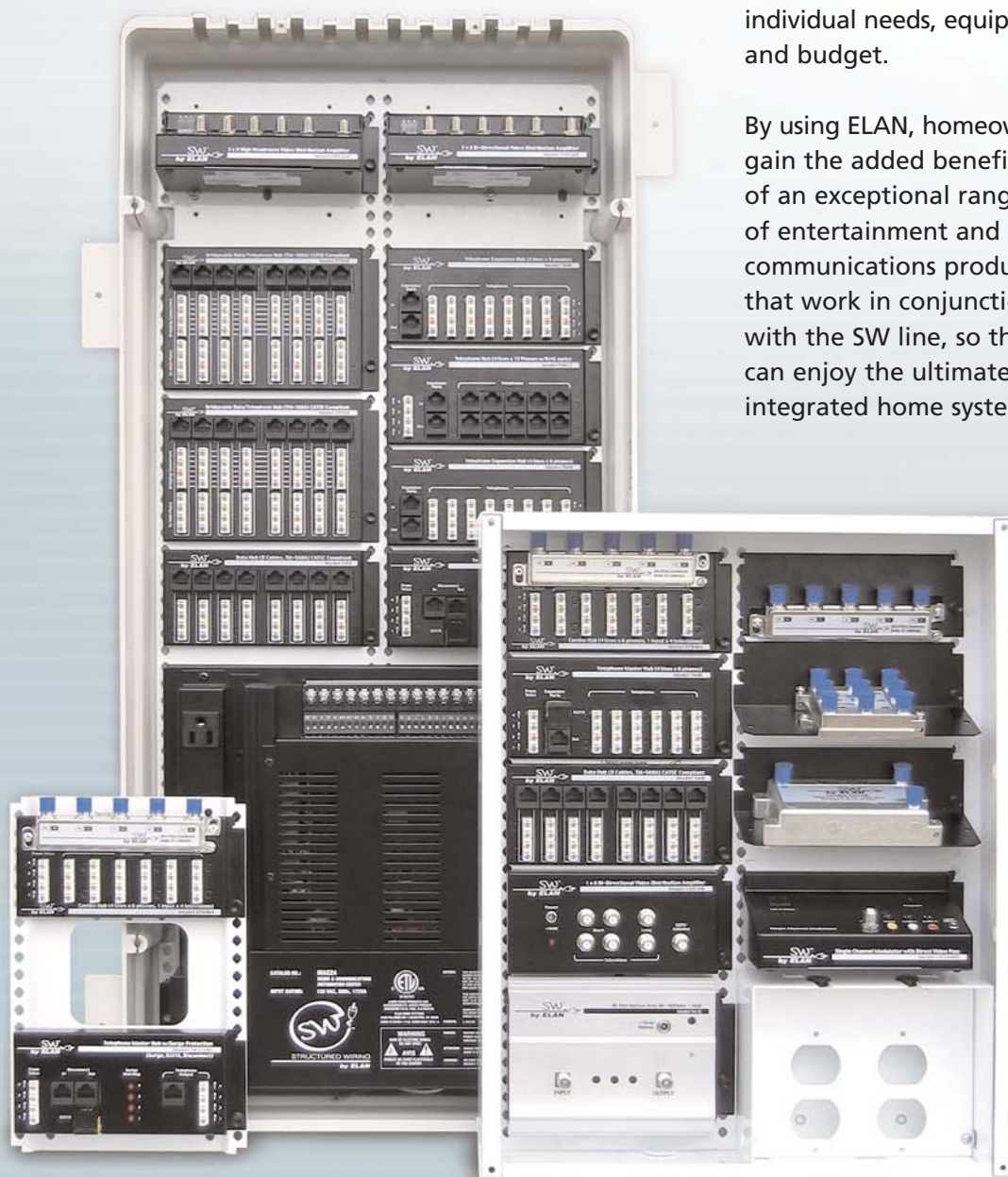
The ELAN SW products combine several tried-and-true staples of the established ELAN AV/EC line, such as its large, molded enclosures and integrated intercom system with the revolutionary grid-based OpenHouse™ components.

As a result, homeowners can receive the most flexible, cost-effective structured wiring solutions available today.

This expanded line includes products that facilitate the distribution and control of audio, video, telephone, and data/computers, and a wide variety of home automation systems.

With the new, easy snap-in design, the SW line also makes installation highly efficient, while providing the means to design a wiring network that best suits a wide variety of individual needs, equipment, and budget.

By using ELAN, homeowners gain the added benefit of an exceptional range of entertainment and communications products that work in conjunction with the SW line, so they can enjoy the ultimate, integrated home system.



SW AT-A-GLANCE

ELAN's 46-piece Structured Wiring line provides easy ways for you to enjoy audio and video, and voice and data networking in any or every room of your home.

Category	Product Name	Description
ENCLOSURES, ENCLOSURE COVERS AND ACCESSORIES Available in four sizes to best serve all of your in-home wiring needs, these ELAN enclosures provide a perfect housing for all of our SW video, telephone, and data products. They are UL-rated and feature a mounting grid for quick 'snap-on' installation of all SW modules. Covers are sold separately.	E36	36" Enclosure
	C36	36" Enclosure Cover
	E32	32" Enclosure
	G32	32" Mounting Grid
	C32	32" Enclosure Cover
	E18	18" Enclosure
	C18	18" Enclosure Cover
	E10	10" Enclosure
	C10	10" Enclosure Cover
	AC4	Duplex Outlet Box
	ECS	Enclosure Cable Spacer
	ECT	Enclosure Coupling Tube
	EG2	2" Enclosure Grommets
	SG48	Screw & Grommet Mounting Kit
	SL40	Snap Latch Replacement Kit
TELEPHONE/DATA DISTRIBUTION PRODUCTS These products help keep you connected, and provide clean wiring for telephone and data "networks" within your home. A variety of products are available for maximum performance and versatility.	TH31SRG	4-Line Telephone Hub with Surge Protection
	DH8	Data Hub
	DTH8B	Bridgeable Data/Telephone Hub
	TH412	RJ-45 Telephone Hub
	TH46	Telephone Master Hub
	TH48	Telephone Expansion Hub
	VTH464	Video/Telephone Hub
VIDEO DISTRIBUTION PRODUCTS Have access to all of your video from anywhere in the home. Each and every room can display high-quality video from VCRs, satellite receivers, TVs, cameras and more, using these video "distribution" products.	TBK2000	Data-Grade Telephone Punchdown Block
	VDA38B	3x8 Bi-Directional RF Distribution Amplifier
	VDA38H	3x8 High-Headroom RF Distribution Amplifier
	CXIRWP	Coax/IR Wall Plate
	VDA16B	1x6 Bi-Directional Video Distribution Amplifier
	VA20B	Bi-Directional RF Amplifier
	VA18	50-1GHz, +18dB RF Amplifier
	VH4	4-Way Video Hub
	VH8	8-Way Video Hub
	CAT5MOD	Single-Channel Cat-5 Modulator
SPLITTERS/COMBINERS The ELAN SW line of bi-directional 2-, 4- and 8-way Splitter/Combiners can be used to split a signal from a source or combine signals from multiple sources onto one coax run.	CAT5AVWP	Cat-5 Audio/Video Wall Plate
	SPL8	8-Way Splitter/Combiner
	SPL4	4-Way Splitter/Combiner
SW WALL PLATES ELAN SW Wall Plates are designed for fast and simple connections of multiple telephone lines, data networks and video distribution systems.	SPL2	2-Way Splitter/Combiner
	SWDD	Dual Data Wall Plate
	SWDP	Data/Phone Wall Plate
	SWPC	Phone/Coax Wall Plate
	SWPDC	Phone/Data/Coax Wall Plate
	HTWP700	Home Theater Wall Plate
	HTWP200	Dual Speaker Wall Plate
MUSIC AND COMMUNICATIONS Enjoy the luxury of sound and music throughout your home. A single audio source can be sent or "distributed" into any or every room. Have a convenient, in-home paging system, add features such as door chimes, phone-to-phone intercom, and much more, using our MAC24 product.	HTWP100	Single Speaker Wall Plate
	MAC24	Music And Communications Center
	MAC24IWP	Music Input Wall Plate
	MAC24MS	Music Mute Switch

ENCLOSURES, ENCLOSURE COVERS & ACCESSORIES

Available in 4 sizes to suit all your needs, each UL®- or ETL®-listed SW enclosure features a grid mounting pattern that allows you to quickly install ELAN SW Data, Telephone and Video distribution modules.

E36 36" ENCLOSURE **NEW!**



The largest of the SW enclosures, the E36 is constructed from 16-gauge galvanized steel and has a built-in grid for the mounting of ELAN SW modules. This UL-listed enclosure fits in a standard 16" (on-center) stud bay and has eight 2" and three 3/4" knockouts for cable routing. Two vertical rows of 70 grid spaces accommodate a plethora of SW Data, Telephone and Video modules as well as the MAC24 Music and Communications Center (see page 73). The E36 also features a single-gang box knockout and adjustable side mounting tabs.

FEATURES & SPECS

- 36" high enclosure
- Two columns of 70 grid spaces per column (total 140 grid spaces)
- Moveable side mounting tabs accommodate 3 drywall thicknesses
- Fits between standard 16" (on center) studs
- Accepts AC4 outlet box accessory and ECS cable spacer (see page 62)
- Eight 2" & three 3/4" knock outs
- 16-gauge galvanized steel, painted white
- Dimensions:
14-1/4" W x 36" H x 3-13/16" D
362mm W x 915mm H x 97mm D
- UL® Listed
- C36 Enclosure Cover sold separately

C36 36" ENCLOSURE COVER **NEW!**



This galvanized steel cover for the E36 enclosure installs easily with four screws (provided) and is vented at both top and bottom.

FEATURES & SPECS

- Cover for E36
- Installs easily
- Top and bottom vents
- 16-gauge galvanized steel, painted white

E32 32" ENCLOSURE (FORMERLY ELAN B2000)



This 32" SW enclosure is molded from impact-resistant ABS material and meets UL 94V-0/5VA flame-retardant ratings. The E32 provides years of long-lasting protection for SW components, as well serving as a wire management center and distribution hub for just about any other A/V distribution components you'd care to put in it.

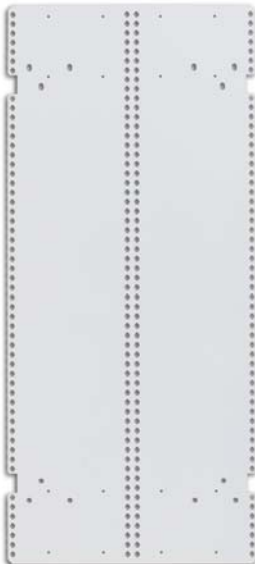
The patented top entry "Wire-Gater" and clamping bar ensure a clean, finished look to the wire dress. Multiple top and bottom circular knock-outs accommodate various wire clamp sizes. The E32 fits between 16" (on center) studs for a clean flush-mount finish. Staggered mountings 'ears' allow multiple E32s to be placed in adjacent stud bays. Alternatively, the E32 can be mounted directly to the surface of any finished wall.

G32 32" Mounting Grid required for mounting SW Data, Telephone and Video distribution modules.

FEATURES & SPECS

- 32" high enclosure
- Molded from impact resistant ABS material
- Patented "Wire-Gater" for clean wire dress
- Top knockouts: four 1-3/8", two 1-1/8", four 3/4"
- Bottom knockouts: four 1-3/8", seven 1-1/8", two 3/4"
- Accepts AC4 outlet box accessory and ECS cable spacer
- Flush or surface mountable (must be surface mounted on firewalls)
- UL 94 V-0/SVA flame retardant rated for use in non-fire-rated walls
- Enclosure Exterior:
14-3/8" W x 32-1/4" H x 4" D
366mm W x 820mm H x 102mm D
- Enclosure Interior:
13" W x 26-1/2" H x 3-1/4" D
331mm W x 674mm H x 83mm D
- ETL® Listed
- G32 Mounting Grid and C32 Enclosure Cover sold separately

G32 32" MOUNTING GRID **NEW!**



The G32 Mounting Grid fits into the E32 enclosure to provide a total of 108 grid spaces to mount ELAN SW Data, Telephone and Video modules, as well as the MAC24 Music & Communications Center.

With two vertical rows of 54 grid spaces, it's easy to configure any combination of SW components for easy termination, access and service.

FEATURES & SPECS

- Fits in E32 enclosure
- Easy to install
- Two columns of 54 grid spaces per column (total 108 grid spaces)
- 16-gauge galvanized steel, painted white

C32 32" ENCLOSURE COVER (FORMERLY ELAN C2000)



Molded from impact-resistant ABS resins, this neutral colored cover for the E32 provides a high-quality, finished look to your structured wiring center.

Made from flame-retardant 94V-0/5VA ABS plastic, the C32 has a textured finish with top and bottom ventilation grills. Four plastic lock-down screws and wire identification label included.

FEATURES & SPECS

- Cover for E32 enclosure
- Textured finish
- Heat ventilation grills
- Wire identification label
- 94V-0/5 VA rated
- ETL® Listed

E18 18" ENCLOSURE **NEW!**



Constructed from 16 gauge galvanized steel, the E18 enclosure has a built-in grid for the mounting of ELAN SW modules. This UL®-listed enclosure fits in a standard 16" (on-center) stud bay and has eight 2" and four 3/4" knockouts for cable routing. Two vertical rows of 34 grid spaces accommodate multiple SW Data, Telephone and Video modules as well as the MAC24 Music Communications Center. The E32 also features a single-gang box knockout and adjustable side mounting tabs.

FEATURES & SPECS

- 18" high enclosure
- Movable side mounting tabs
- Eight 2" and four 3/4" knockouts
- Two columns of 34 grid spaces per column (total 68 grid spaces)
- Single-gang box knockout
- Accepts AC4 outlet box accessory and ECS cable spacer (see page 62)
- 16-gauge galvanized steel, painted white
- Dimensions:
14-1/4" W x 18" H x 3-13/16" D
362mm W x 458mm H x 97mm D
- UL® listed
- C18 Enclosure Cover sold separately

C18 18" ENCLOSURE COVER **NEW!**



This galvanized steel cover for the E18 enclosure installs easily with four screws (provided) and is vented at both top and bottom.

FEATURES & SPECS

- Cover for E18 enclosure
- Installs easily
- Top and bottom vents
- 16-gauge galvanized steel, painted white

E10 10" ENCLOSURE **NEW!**



Ideal for basic or specialized distribution applications, this 10" surface-mount grid can accommodate up to three SW modules and can be mounted over single or double-gang openings.

FEATURES & SPECS

- Easy installation
- Vertical or horizontal mounting
- Surface mounts over single- or double-gang openings
- Dimensions:
6-1/2" W x 10-1/8" H x 1/2" D
166mm W x 258mm H x 13mm D
- 16-gauge galvanized steel, painted white
- UL® listed
- C10 Enclosure Cover sold separately
- Number of grid spaces: 19

C10 10" ENCLOSURE COVER **NEW!**



This galvanized steel cover for the E10 simply snaps on over the 10" grid and is deep enough to clear any SW grid-mounted module.

FEATURES & SPECS

- Snaps directly on to E10 enclosure
- Deep enough to fit over SW module
- 16-gauge galvanized steel, painted white

AC4 DUPLEX OUTLET BOX **NEW!**



The AC4 Duplex Outlet Box brings AC power inside the E36, E32 and E18 enclosures and gives the installer a clean, easily accessible location to mount power adaptors. This UL® listed accessory can mount in any corner of the enclosure using the screws provided.

FEATURES & SPECS

- Fits in E36, E32 and E18 Enclosures
- Mounts at the top or bottom, left or right of enclosure
- Accommodates 2 duplex AC outlets—4 outlets total (not included).
- UL® Listed

ECS ENCLOSURE CABLE SPACER **NEW!**



The ECS cable spacer fits in SW E36 and E18 enclosures and is designed to lift SW modules 1" above the enclosure's grid, leaving room behind it for easy wire management.

FEATURES & SPECS

- Connects to the grid pattern on E36 and E18 enclosures
- Lifts modules one inch above grid
- Adds wire management capability
- Increases usable space
- Compatible with E36 and E32 SW enclosures only

ECT ENCLOSURE COUPLING TUBE **NEW!**



For use with the E36 and E18 enclosures, these 2" conduit-size coupling tubes allow you neatly run cables between stacked SW enclosures.

FEATURES & SPECS

- 2" conduit size passes cables from enclosure to enclosure
- No limits on number of enclosures coupled
- Automatically spaces enclosures 2" apart
- Compatible with E36 and E18 SW enclosures only

EG2 2" ENCLOSURE GROMMETS **NEW!**



These snap-in grommets fit in the 2" knockouts in E36 and E18 enclosures, allowing for easy routing of cables through the knockouts without any rough, metal edges to damage cable insulation.

FEATURES & SPECS

- Solid plastic grommets for 2" knockouts
- Makes for easy routing of cables through the knockouts
- Available in 5 packs

SG48 SCREW & GROMMET MOUNTING KIT **NEW!**



SG48 Screw Grommets mount in all ELAN SW enclosures, allowing you to attach other products to the SW grid. Uses standard #6x9/16" type A screws (provided). The kit includes 48 screws and grommets.

FEATURES & SPECS

- Enables you to mount non grid-mount components inside a ELAN SW enclosures
- Kit contains 48 screws and grommets

SL40 SNAP LATCH REPLACEMENT KIT **NEW!**



SL40 Snap Latches replace damaged latches on all ELAN SW modules. The kit includes 40 plungers and 40 grommets.

FEATURES & SPECS

- Replaces broken Snap Latches on ELAN SW modules
- Kit contains 40 Snap Latch replacements

TELEPHONE/DATA DISTRIBUTION PRODUCTS

TH31SRG 4-LINE TELEPHONE HUB W/ SURGE PROTECTION **NEW!**

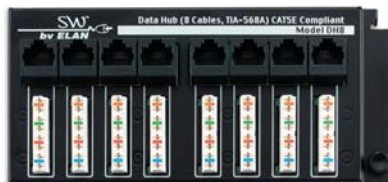


Have telephones, modems and fax machines? This is the SW module you'll want to have at the head end of any phone system. The TH31SRG is a 4-line telephone hub with built-in surge protection, a master quick-disconnect/system test port and an RJ-31X jack for alarm system connection.

FEATURES & SPECS

- 4-line telephone hub
- Surge suppression for all four lines
- Master disconnect/system test port
- RJ-31X for connection to alarm systems
- LED status indicator (1 per telephone line) to warn you of a surge event
- Each line individually surge protected to 50 Joules and 4000 Amps
- RJ-45 and 110 punch-down expansion ports
- RJ-45 jumper included
- Number of grid spaces: 6

DH8 DATA HUB **NEW!**

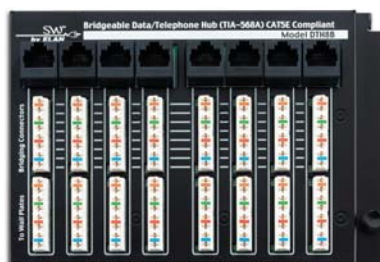


The DH8 is an 8-port data hub with certified 100 Base-T performance. The DH8 features eight RJ-45 jacks for the termination of Cat-5 data lines and eight 110 punch-down connector blocks to route services to wall plates throughout the home.

FEATURES & SPECS

- 8-line data hub
- Certified 100 Base-T performance
- Cat-5 performance in a multi-port hub
- Eight RJ-45 jacks
- Eight 110 punch-down connectors
- Number of grid spaces: 6

DTH8B BRIDGEABLE DATA/TELEPHONE HUB **NEW!**



Configurable for both phone and/or data applications, the DTH8B is a certified 100 Base-T 8-port combination data and telephone hub. Eight RJ-45 jacks are available for the termination of Cat-5 data lines, while 110 punch-down connector blocks are used to route services to wall plates throughout the home. Use Cat-5 jumper cables to route services to wall plates in the appropriate rooms. As a telephone hub, the DTH8B can distribute up to 4 lines to 8 telephone wall jacks. The bridging feature allows you to connect any number of jacks together.

FEATURES & SPECS

- Certified 100 Base-T performance
- Cat-5 performance in a multi-port hub
- Terminates eight Cat-5 wires for phone or data
- Two rows of 110 punch-down connectors
- RJ-45 Connectors
- Circuits may be bridged
- Designed to be used with multi-line phone systems
- Number of grid spaces: 9

TH412 RJ-45 TELEPHONE HUB **NEW!**

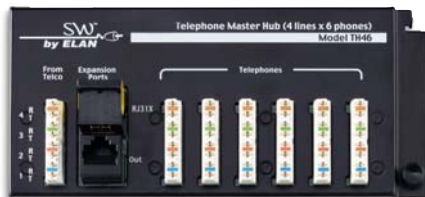


The TH412 features RJ-45 jacks for the termination of up to 12 telephone wall plates. A 110 punch-down connector makes it easy to connect up to 4 incoming telephone lines, and the Expansion Ports allow for the instant connection of additional TH412s if more extensions are needed.

FEATURES & SPECS

- Distributes 4 telephone lines to 12 locations
- 12 RJ-45 jacks for easy connections
- 110 punch-downs for incoming lines
- RJ-45 expansion ports allow for easy connection of multiple TH412s
- Number of grid spaces: 6

TH46 TELEPHONE MASTER HUB **NEW!**



This master telephone service hub accepts up to 4 lines and has 110 punch-down connector outputs for the termination of 6 telephone wall plates. The TH46 also features an RJ-31X for the quick connection of security panels and an RJ-45 expansion port for the addition of a TH48 Telephone Expansion Hub.

FEATURES & SPECS

- Telephone service for 4 lines
- Six 110 punch-down connectors for wall plates
- RJ-31X security panel connection
- Expansion port
- Number of grid spaces: 6

TH48 TELEPHONE EXPANSION HUB **NEW!**

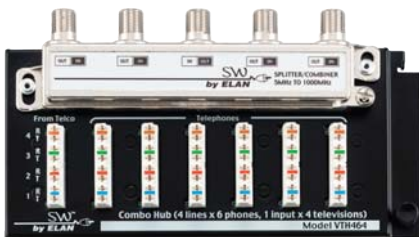


The TH48 is an expansion telephone hub that allows you to add 8 more telephone wall plate connections. A Cat-5 jumper is included for easy connection to the TH46 Telephone Master Hub. An output expansion port lets you add even more TH48s to the system.

FEATURES & SPECS

- Expansion module for the TH46
- Distributes 4 lines to 8 locations
- 110 punch-down connectors
- Cat-5 jumper included for connection to TH46
- RJ-45 expansion port for multiple TH48s
- Number of grid spaces: 6

VTH464 VIDEO/TELEPHONE HUB **NEW!**

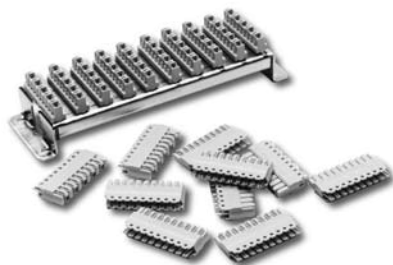


Need a simple means to distribute both RF and telephone? The VTH464 combines a 4-way 1GHz RF splitter/combiner with a 4-line/6-location telephone hub in one module.

FEATURES & SPECS

- Combination Video and Telephone Hub
- 4-way 1GHz RF Splitter/Combiner
- Distributes 4 telephone lines to 6 locations
- 110 punch-down connectors
- Number of grid spaces: 6

TBK2000 DATA-GRADE TELEPHONE PUNCHDOWN BLOCK



The TBK2000 provides an inexpensive way to terminate and cross-connect Cat-5 communications wire. The unique IDC connectors accommodate two wire punchdowns at each station. This double termination feature allows easy daisy chaining of connections or quick additions to a line.

The connector is EIA/TIA-568 and TSB-40 qualified, rated for data speeds up to 155 MBPS when wired point-to-point.

Available in two versions, the TBK2000L is pre-laced for telephone line distribution. The TBK2000U is unlaced, and can be configured for point-to-point data or telephone system phone extension wiring.

FEATURES & SPECS

- Cat-5 rated for point-to-point twisted pair wiring
- Isolated five pair inputs
- Ten station outputs can accept two wire punchdowns, accommodating up to 18 telephones
- Uses standard 110 punchdown tool
- Available unlaced (TBK2000U) and pre-laced (TBK2000L)
- *Not compatible with SW grid-mount enclosures.*

VIDEO DISTRIBUTION PRODUCTS

VDA38B 3x8 BI-DIRECTIONAL RF DISTRIBUTION AMPLIFIER



The VDA38B is the heart of any RF distribution system. This 3-IN by 8-OUT bi-directional RF distribution amplifier connects as many as 8 televisions to cable or antenna while maintaining optimum signal strength to all TVs. It also has the capability of sending IR down each coax run for control of local TVs or video source components. The VDA38B is perfect for bi-directional cable systems, providing a 5-42MHz back channel for cable modems or interactive set-top boxes.

FEATURES & SPECS

- 3x8 RF distribution amplifier
- Bi-directional – ideal for cable systems, cable modems or interactive set-top boxes
- Transmits IR down coax for local source control (CXIRWP Coax/IR Wall Plate required – see page 67)

SPECIFICATIONS:

Gain:

CATV/Antenna port to output 3dB

Modulator input to output-10dB

Output to CATV (reverse)-15dB

Isolation>35dB

Modulator input to CATV/Ant:

54-1000MHz fwd

5-42MHz reverse

Max CATV/Antenna input

20dBmV (+85dBuV)

Power supply (included):

15 VDC @ 300mA

Number of grid spaces: 5

VDA38H

3x8 HIGH-HEADROOM RF DISTRIBUTION AMPLIFIER



The VDA38H is a 3-IN by 8-OUT High-Headroom RF Distribution Amplifier for antenna or uni-directional cable systems. It offers the highest headroom of any coax panel available on the market. Like the VDA38B, the VDA38H connects as many as 8 televisions to cable or antenna while maintaining optimum signal strength to all TVs. It also has the capability of sending IR down each coax run for control of local TVs or video source components.

FEATURES & SPECS

- 3x8 RF distribution amplifier
- High-headroom for off-air antenna applications
- Transmits IR down coax for local source control (CXIRWP Coax/IR Wall Plate required)

SPECIFICATIONS:

Gain:

CATV/Antenna port to output 3dB

Modulator input to output-10dB

Isolation>80dB

Modulator input to CATV/Ant:
5-1000MHz fwd

Max CATV/Antenna input
20dBmV (+85dBuV)

Power supply (included):
15 VDC @ 300mA

Number of grid spaces: 5

CXIRWP

COAX/IR WALL PLATE



The CXIRWP is a single-gang, Decora®-style wall plate that is used in conjunction with the ELAN SW VDA38B and VDA38H RF Distribution Amplifiers. The VDA38s have a built-in IR engine that transmits IR signals down each run of coax, allowing you to set up a simple IR control system for local sources. The CXIRWP 'breaks out' the IR signal from the coaxial cable and provides 3.5mm jacks for both an IR emitter and IR receiver. The VDA38 supports up to 8 CXIRWP wall plates, one per coax run. IR receivers or emitters may be connected to any or all CXIRWPs.

FEATURES & SPECS

- Breaks out IR from coax for control of local sources
- F connector for video inputs
- 3.5mm 'mini' jacks for IR emitters and receivers
- LED power indicator
- Power supply included

VDA16B

1x6 BI-DIRECTIONAL VIDEO DISTRIBUTION AMPLIFIER



The VDA16B Bi-directional Video Distribution Amplifier can route CATV or antenna signals to up to 6 TVs. For maximum flexibility the VDA16B has outputs for 4 short runs and 2 long runs. The VDA16B has a broadband 54-806MHz amplifier and a 5-42MHz reverse channel which is compatible with pay-per-view, interactive cable and cable modems.

FEATURES & SPECS

- 1x6 bi-directional RF amplifier
- Reverse channel compatible with pay-per-view, interactive cable and cable modems
- Independent outputs for long and short cable runs

SPECIFICATIONS:

Typical @ 77°F ± 50°F (25°C ± 5°C)

	Long	Short
Output run distance	150 ft.	75 ft.

Gain:

CATV/Ant input to TV output	4dB	1dB
TV output to CATV/Ant input (5-42MHz reverse channel)	-8dB	-12dB

Bandwidth:

Forward	54-806MHz
Reverse.....	5-42MHz

Max CATV/Antenna input (64 channels) 20dBmV

Power supply (included): 15 VDC@300mA

Number of grid spaces: 6

VA20B

BI-DIRECTIONAL RF AMPLIFIER



This bi-directional RF amplifier features 20dB of gain and a 5-40MHz return path, making it ideal for use in distributed CATV systems.

FEATURES & SPECS

- +20dB of gain
- Bi-directional
- 5-40MHz return path
- Power supply included

SPECIFICATIONS:

Bandwidth:

Forward	54-806MHz
Reverse.....	5-40MHz

Max. Output: 30dBmV (90dBuV)

Gain: 20dB +/- 1.0dB

Power Supply w/ F connector (included): .. 12VAC

Dimensions:.....
3-1/2" W x 1-1/4" H x 2-1/2" D
89mm W x 32mm H x 64mm D

Operating Temp: 32°F to 122°F

Number of grid spaces: 6

VA18 50-1GHz, +18dB RF AMPLIFIER **NEW!**



The VA18 is a high-power, low-noise, low-distortion RF amplifier that is suitable for all off-air and uni-directional CATV applications as well as VHF (high and low), FM, Midband, Superband, Hyperband, Ultraband and UHF. It features flat response from 50Hz to 1GHz and has a gain of +18dB. The low distortion push-pull circuit design incorporates surface mount and strip line technologies for high reliability and small size. The VA18 comes with a set of mounting ears that allow it to be installed in any ELAN SW grid system.

FEATURES & SPECS

- Ideal for off-air, uni-directional CATV, VHF, FM, Midband, Superband, Hyperband, Ultraband and UHF
- SW grid mounting ears included
- Small footprint/high reliability
- For indoor use only

SPECIFICATIONS:

Gain: 18dB
 Bandwidth: 50MHz-1GHz
 Flatness:+/- 1.5dB
 Max output @ all freqs:
 6 channels.....48dBmV
 12 channels.....45dBmV
 24 channels.....42dBmV
 48 channels.....39dBmV
 Noise figure: 5.5dB
 Power supply (included):
 15 VDC @ 600mA
 Number of grid spaces: 10

VH4 4-WAY VIDEO HUB **NEW!**



The VH4 is a bi-directional 4-way Splitter/Combiner with a 1GHz bandwidth mounted on an ELAN SW grid-compatible bracket.

FEATURES & SPECS

- Splits 1 signal to send to 4 coax runs
- Combines 4 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz
 -130dB RFI rejection
 Insertion loss: 9.0dB
 Number of grid spaces: 6

VH8 8-WAY VIDEO HUB **NEW!**



The VH8 is a bi-directional 8-way Splitter/Combiner with a 1GHz bandwidth mounted on an ELAN SW grid-compatible bracket.

FEATURES & SPECS

- Splits 1 signal to send to 8 coax runs
- Combines 8 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz
 Insertion Loss: 12.0dB
 Number of grid spaces: 5

CAT5MOD

SINGLE-CHANNEL CAT-5 MODULATOR



The CAT5MOD is a dual-purpose module. It can be used as a simple single-channel modulator for any video source, or it can be used to receive both audio and video signals from a remotely located source down a single run of Cat-5 wire and distribute those signals to any TV or monitor (CAT5AVWP required – see below).

FEATURES & SPECS

- Single-channel modulator
- Converts Cat-5 video and audio signals to line-level for distribution
- RCA jacks for direct connection of A/V component
- RCA jacks can be configured as Inputs or Outputs
- CAT5 Audio/Video Wall Plate (CAT5AVWP) sold separately
- Number of grid spaces: 5

Specifications: typical @ 25°C ± 5°C

Inputs (Ports)	Video	1 Vp-p @ 75 Ω	
	Video termination (switch selectable)	75 Ω in normal mode (NORM) >1MΩ in loop through mode (LOOP)	
	Audio	1 V rms @ 47k Ω L & R inputs combined for monaural	
Video Performance	Differential gain	4%	
	Differential phase	<4°	
	Signal/noise	55dB	
RF Output	Standard	UHF	CATV
	Channel ranges	14-64	65-125 (excluding 95-99)
	Output level	+25dBmV (+85dBuV)	
	IM distortion	-60dBC	
	Alternate channel	-45dBC @ 12MHz	
Power Supply	Output current	600mA	
	Output voltage	15 VDC	
	Input power	105-125 VAC	

CAT5AVWP

CAT-5 AUDIO/VIDEO WALL PLATE



The CAT5AVWP provides an easy way to send the video and audio of a local source (i.e. a DSS receiver or DVD player in a bedroom) back to the 'head end' where it can then be distributed around the home. The CAT5AVWP connects to the ELAN CAT5MOD, a single-channel modulator that uses a single run of Cat-5 wire in lieu of standard coax.

Note: The CAT5AVWP is not a standalone video interface. Use only with CAT5MOD Single-Channel Modulator.

FEATURES & SPECS

- Sends local source audio and video down Cat-5 wire to the CAT5MOD
- Switchable 75 Ohm or Hi-Z termination and loop-through capability
- Single-gang, Decora®-style wall plate
- Available in White only

SPLITTERS/COMBINERS

The ELAN SW line of bi-directional 2-, 4- and 8-way Splitter/Combiners provide a 1GHz bandwidth and are ideal for antenna and coaxial cable operations. The splitter/combiner is one product that can be used for two applications. It can be used to split a signal from a source or combine signals from multiple sources onto one coax run.

SPL8 **NEW!**

8-WAY SPLITTER/COMBINER



Replaces VDS2000

FEATURES & SPECS

- Splits 1 signal to send to 8 coax runs
- Combines 8 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz
 -130dB RFI rejection
 Insertion Loss:.....12dB

SPL4 **NEW!**

4-WAY SPLITTER/COMBINER



Replaces VDS400

FEATURES & SPECS

- Splits 1 signal to send to 4 coax runs
- Combines 4 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz
 -130dB RFI rejection
 Insertion Loss:.....9dB

SPL2 **NEW!**

2-WAY SPLITTER/COMBINER



Replaces VDS200

FEATURES & SPECS

- Splits 1 signal to send to 2 coax runs
- Combines 2 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz
 -130dB RFI rejection
 Insertion Loss:.....4dB

SW WALL PLATES

ELAN SW Wall Plates are designed for fast and simple connections of multiple telephone lines, data networks and video distribution systems. The Cat-5e data ports are compliant with TIA/EIA 568-A wiring standards for residential use. When properly installed, the jacks are designed for data transmissions in 10/100 Base-T systems and are ideal for high-speed Internet access from cable and DSL modems. The RJ-25 telephone ports are designed to handle up to 4 lines for connecting telephones, modems and fax machines. Individual phone lines will break out on separate jacks. All SW Wall Plates are of a single-gang Decora®-compatible design. Our SW Home Theater Wall Plates facilitate the trim-out of in-wall speaker wire runs in a Home Theater with neat, clean terminations.

SWDD

DUAL DATA WALL PLATE



FEATURES & SPECS

- 2 Cat-5e RJ-45 data ports connectors in for quick termination and installation.
- Available in Almond (a), Ivory (i) and White (w)

SWDP

DATA/PHONE WALL PLATE



FEATURES & SPECS

- 1 Cat-5e RJ-45 data port
- 4 RJ-25 telephone jacks that break out each line to an individual jack
- Available in Almond (a), Ivory (i) and White (w)

SWPC

PHONE/COAX WALL PLATE

NEW!



FEATURES & SPECS

- 4 RJ-25 telephone jacks that break out each line to an individual jack
- 2 knock outs for coax barrel connectors (included)
- Available in Almond (a), Ivory (i) and White (w)

SWPDC

PHONE/DATA/COAX WALL PLATE

NEW!



FEATURES & SPECS

- This one does it all . . .
- 2 RJ-25 telephone jacks that break out each line to an individual jack
- 1 Cat-5e RJ-45 data port
- 2 knock outs for coax barrel connectors (included)
- Available in Almond (a), Ivory (i) and White (w)

HTWP700 HOME THEATER WALL PLATE



Updated for 7.1 Surround Sound Connections! Formerly HT2000

A best-seller for years, the HTWP700 (formerly the HT2000) has been redesigned for compatibility with 5.1, 6.1 and 7.1 surround sound systems. This double-gang wall plate features eighteen 5-way gold plated speaker binding posts for the connections of front, rear, surround, and center channels. Connections for both passive and powered subwoofers are also provided.

FEATURES & SPECS

- A quick, easy and professional-looking way to dress home theater speaker wire runs
- Gold-plated speaker binding posts for the connection of 5.1, 6.1 and 7.1 surround sound systems
- Powered and passive subwoofer connections
- Fits in a standard 2-gang box
- Available in white only

HTWP200 / HTWP100

DUAL SPEAKER WALL PLATE / SINGLE SPEAKER WALL PLATE



HTWP200



HTWP100

The HTWP200 (formerly HT500) and HTWP100 (formerly HT100) provide an attractive way to connect house wiring to individual freestanding speakers or passive subwoofers. Gold-plated, color-coded binding posts accept up to 6AWG wire, spade lugs or banana jacks. The unobtrusive Decora®-style insert design fits in a single-gang box.

FEATURES & SPECS

- Gold-plated binding posts
- Red and black color coded
- Decora®-style single-gang insert
- Available in White only

MUSIC AND COMMUNICATIONS

MAC24 MUSIC AND COMMUNICATIONS CENTER



Updated for grid-mount enclosures!
Formerly AV-L2

MAC stands for Music And Communications. 24 is the number of speakers you can connect to this amazing little amp to broadcast Music And Communications throughout the home. The MAC24 builds on tried and true technology while adding must-have features not available on any other system of its kind. ELAN offers a true audio distribution system that not only fits into an in-wall wire management center, but enhances a homeowner's lifestyle with built-in intercom features such as: whole-house paging, phone-to-phone intercom, door station communications and more.

The MAC24 is a true "bridging" stereo amplifier. Complimentary left and right audio signals are present on each of four outputs. This unique design allows simultaneous connection of both stereo pairs and monaural single speakers (up to

24 speakers total!) and is ideal for background music, paging, and door chime applications. This feature, coupled with the RCA line level outputs (to additional amplifiers for higher power listening areas), provides maximum flexibility in designing whole-house audio distribution systems.

The MAC24 includes "pro-audio" signal processing circuitry. A custom loudness EQ curve and rumble filter provide richer, fuller sound with in-wall speakers. "Clip-Proof" audio compressors guarantee clean, clear music.

ELAN's patented intercom and door chime features are built right in to the MAC24. Audio will automatically mute when the telephone rings. Paging from a telephone handset, or activation of either of its two door chimes, will mute the music and then be broadcast over the speakers. Band-limited paging inputs ensure consistent, intelligible pages with any voice over any touch-tone phone. 12VDC control signals are also available to power ELAN's patented Volume Controls with Override.

Built-in IR pass-through connections support up to 4 IR receivers and 4 IR emitters. No external IR connecting blocks are required.

The MAC24 is compatible with most telephone systems and local Call Waiting/ Caller ID services. It allows continuous phone service in the event of a power outage, and is FCC Part 68 Approved.

The MAC24 should only be used with the following ELAN Volume controls:

- VSO Stereo Volume Control with Override
- VMO Mono Volume Control with Override
- VS Standard Stereo Volume Control

Use of volume controls other than those stated above will lower the total number of speakers that can be connected to the MAC24 and may cause damage to the audio amplifier section. Additionally, ELAN volume controls with the Override feature are required to ensure that Page and Door chimes are heard even if the volume controls are turned all the way down.

FEATURES & SPECS

- Cost-effective multi-room audio and communications
- Connect up to 24 speakers
- Whole-house Paging and Door Chimes, Door Station Communication, Phone-to-Phone Intercom and more
- Uses homeowners existing stereo receiver and touch-tone telephones
- Custom Loudness EQ curve
- Clip-Proof audio circuitry
- Line-level output jacks for adding on additional rooms of music and communications
- Built-in Powered IR connecting block and emitter driver
- Mounts in SW enclosures E36, E18 and E32 with G32 grid

TELEPHONE CONTROL FEATURES:

Whole House Page:# , P
Music Mute:# , M
Front Door Access:# , D
Gate Latch Activation:# , D , O
Caller on Hold:# , H
Phone to Phone Intercom:# , P , O
Page & hang up, caller still on hold
Door chimes:
Doorbell # 1 3 note chime
Doorbell # 2 2 note chime

INCLUDES:

- Grid-mounted MAC24 Music & Communications Center
- MAC24IWP Music Input Wall Plate for connecting source components to the system
- Three-outlet power strip for SW power cubes and other accessories

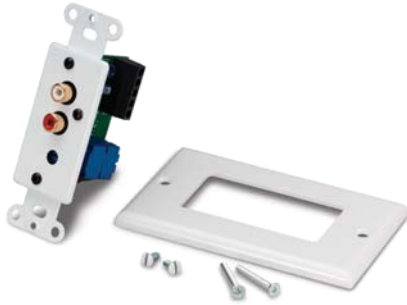
SPECIFICATIONS:

Output Power: 48 WPC RMS into 8 Ohms, 68 WPC peak music power
Maximum speaker load: Four 8-Ohm stereo pairs with 8X volume controls and eight 8-Ohm monaural speakers with 16X volume controls (24 total)
Freq. Resp: 20-20KHz, +/-1.5 dB
Loudness EQ contour:+3dB @ 100Hz and 10KHz
Signal to Noise Ratio: 92dB
THD + Noise:< 0.02%
Stereo Separation:> 80dB
Line Level Outputs: 0dB gain, flat EQ, page and doorbell summed in
Power Consumption: 120Vac @ 1A
House phone battery voltage: 24VDC
C.O. Access Lines: 1 per system
ETL® Listed
Number of grid spaces: 25 X 2 rows (50 Total)

The MAC24 should only be used with the following ELAN Volume controls:

- VSO Stereo Volume Control with Override
- VMO Mono Volume Control with Override
- VS Standard Stereo Volume Control

MAC24IWP MUSIC INPUT WALL PLATE



The MAC24IWP Music Input Wall Plate is the interface between the homeowner's stereo equipment and the MAC24 Music and Communications Center.

This powered wall plate has 10dB of gain to boost the audio signal (improving the signal-to-noise ratio) before it's sent to the amplifier. This ensures that high-quality audio is heard throughout the house, even if the stereo is located up to 200 feet away from the MAC24.

FEATURES & SPECS

- Locate source components up to 200' away from MAC24
- Active audio input buffer circuit

SPECIFICATIONS:

Input level: 0 – 2 Vp-p

Gain: 10dB, adjustable

Frequency Response:
+/- 0.5dB, 20 – 20kHz

THD + Noise: < 0.005%

White Decora® insert and frame included

MAC24MS MUSIC MUTE SWITCH



The MAC24MS Music Mute Switch allows the homeowner to mute music while still maintaining page and doorbell operation.

Push button operation with green LED indicates when the music is on or muted.

Up to four Music Mute Switches can be used per MAC24 Music Communications Center.

FEATURES & SPECS

- Slim-line momentary push button Switch
- LED indicates music status of the system
- Packed with both white and ivory Decora®-style inserts and buttons



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